

# Transportation Data Program

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2020 U.S. DOE Vehicle Technologies Office  
(VTO) Annual Merit Review Meeting  
*June 1-4, 2020*

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# Overview

## Timeline



- Project start date: October 2019
- Project end date: September 2022
- Percent complete: 28%

## Barriers



- Barriers addressed
  - *Multi-Year Program Plan 2011 - 2015*  
Section 2.6 Outreach, Deployment and Analysis A, B, C  
Section 3.2 Program Analysis

## Budget



- Total project funding
  - FY20: \$400K
  - FY21: \$400k
  - FY22: \$400K
  - Total: \$1.2M

## Partners



- Argonne National Lab
- National Renewable Energy Lab

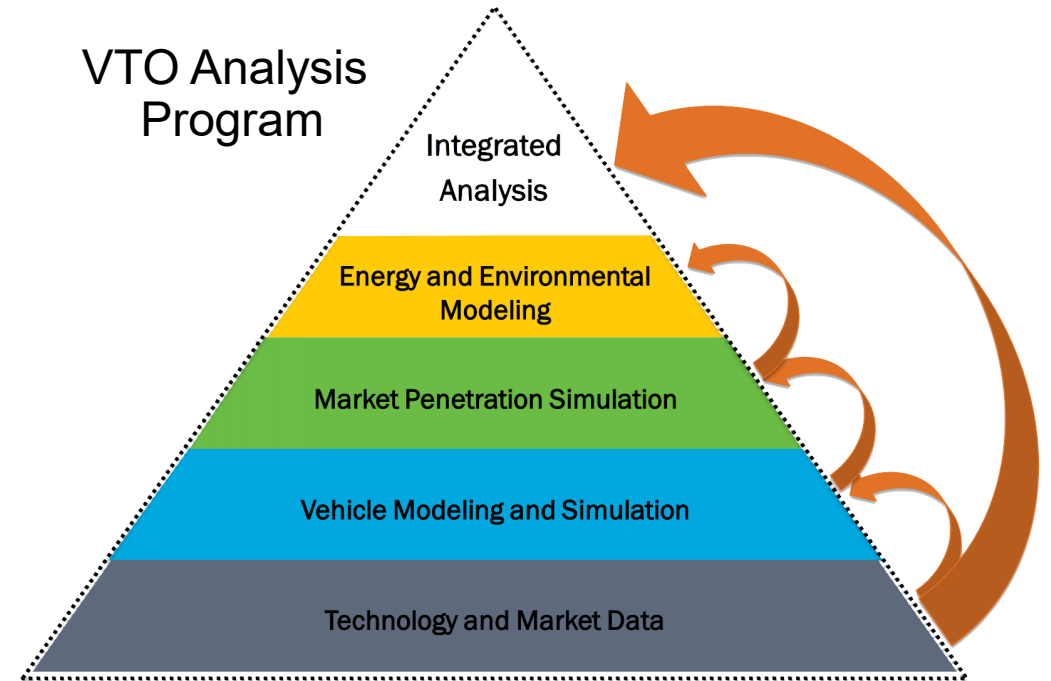
# Relevance

The objective of the Transportation Data Program is to provide consistent, quality data and information on the transportation sector for VTO researchers and other transportation analysts' use.

The Transportation Data Program disseminates data in:

- National Security
- Economic Growth
- Affordability for Business and Consumers
- Reliability/Resiliency

- Transportation analysts, and VTO staff require current and historical data to affect good decisions for the future.
- Data provide the foundation of the Analysis Program in the pursuit of moving people and goods using the most secure, energy-efficient, and cost-effective technologies.

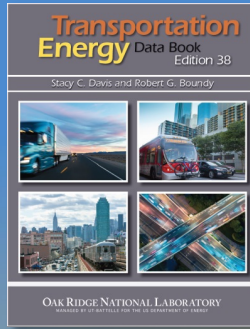


# Milestones

Quarter	Milestone Description	Milestones for the Transportation Data Program FY20
Quarter 1	Fact of the Week prepared weekly for posting on the Vehicle Technologies website	Complete
Quarter 2	Draft report comparing transportation energy use including and excluding upstream energy use	Complete
Quarter 3	Update tables on the Transportation Energy Data Book website to Edition 38.1	Complete
Quarter 4	Draft of the next Transportation Energy Data Book delivered to VTO	On track
Quarter 4	Go/no-go milestone Determine if VTO research efforts require continued transportation data program support	On track

# Approach – Data Book

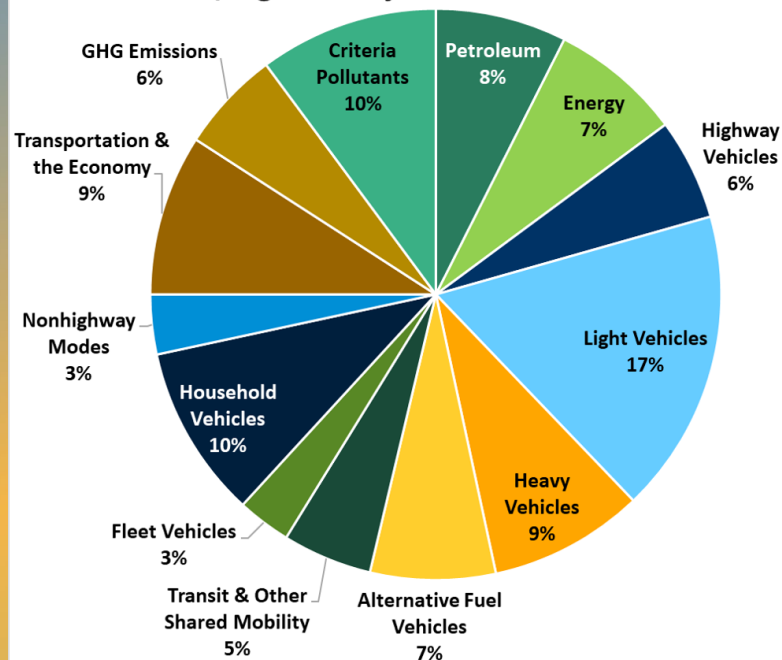
Since 1975



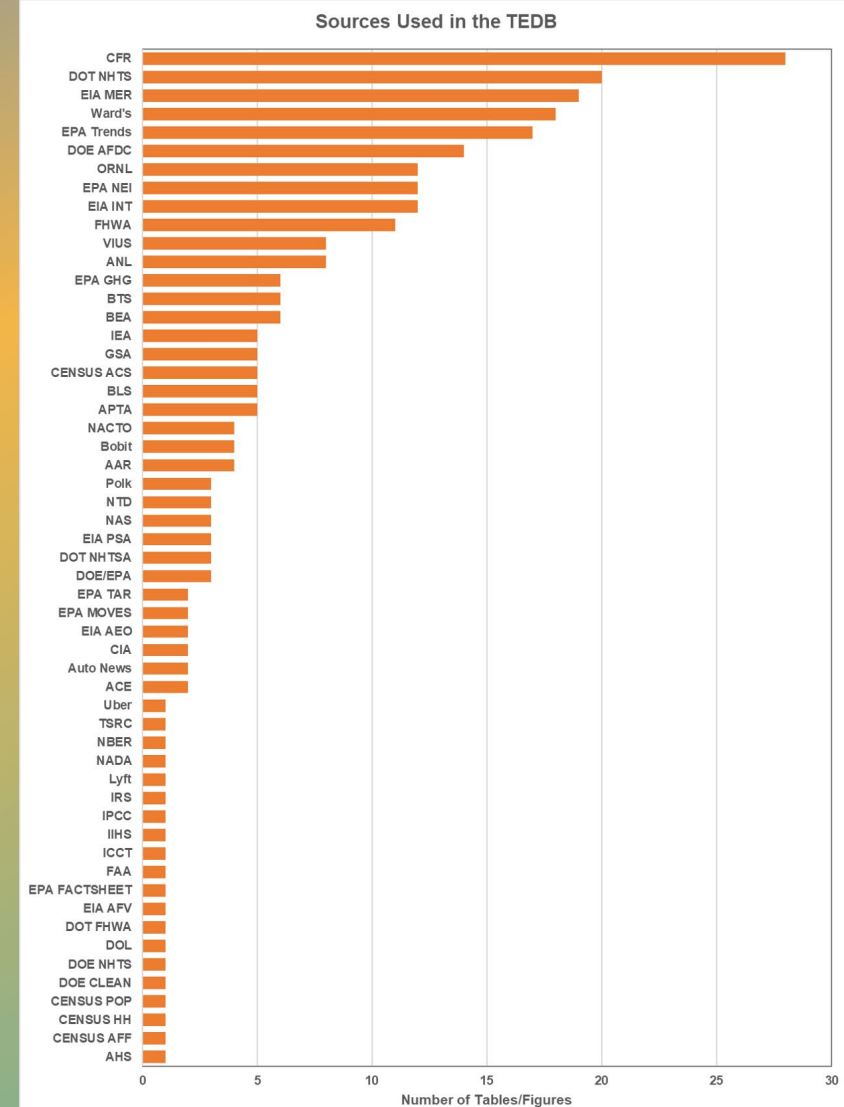
On-line report  
<https://tedb.ornl.gov>  
PDF & Excel formats

Thirteen Chapters, 226 Tables and 70 Figures

Table/Figure Subjects in TEDB Edition 38



About 50 different sources



# Approach – Data Book

## Unique “Big Energy Table”

- Energy use in Btu by mode and fuel type
- Appendix A holds sources and assumptions
- About 20 sources
- Added electricity use to light vehicles two years ago (documented estimates)

If data about alternative fuel use become available, an attempt is made to incorporate them into this table. Sometimes assumptions may be made in order to use the data. Please see Appendix A for a description of the methodology used to develop these data. See Table 1.16 for transportation petroleum use in thousand barrels per day.

Table 2.7  
Domestic Consumption of Transportation Energy by Mode and Fuel Type, 2017\*  
(trillion Btu)

	Question	Direct	Legitimate	Residual	Normal	Electricity	Total
		fuel	petroleum	fuel oil	fuel		
<b>Highway</b>		16,488.3	6,384.8	75.5	-	14.6	22,963.2
Light vehicles		14,853.3	448.9	-	-	-	15,302.2
Cars		6,297.2	38.3	-	-	-	6,335.5
Light trucks		8,556.1	409.6	-	-	-	8,965.7
Motorcycles		17.3	-	-	-	-	17.3
Buses		1.9	186.9	0.6	-	24.6	213.0
Taxis		1.6	64.6	0.6	-	-	66.8
Trucks		17.3	-	-	-	-	17.3
Subtotal		15.3	651.5	-	-	-	714.8
Medium-heavy trucks		412.0	4,034.6	23.8	-	-	4,469.4
Class 1-4 trucks		381.4	3,889.0	20.8	-	-	4,291.2
Class 5-8 trucks		30.6	445.6	2.0	-	-	4,087.4
<b>Nonhighway</b>		214.8	818.8	-	2,288.2	649.5	3,751.3
Air		214.8	-	-	2,288.2	-	2,503.0
Sea		22.6	-	-	-	-	22.6
Constant aviation		-	-	-	-	-	22.6
Domestic air carriers		-	-	-	-	-	1,564.3
International air carriers		-	-	-	-	-	434.4
<b>Water</b>		170.4	298.6	-	649.5	-	1,118.5
Freight		170.4	298.6	-	649.5	-	1,118.5
Recreational		-	-	-	-	-	20.2
<b>Pipeline</b>		-	-	-	-	-	82.8
Refined		-	-	-	-	-	82.8
Crude (Class D)		-	813.3	-	-	-	813.3
Propane		-	465.1	-	-	-	465.1
Consumer		-	22.8	-	-	-	22.8
Commercial		-	14.5	-	-	-	14.5
Industry		-	8.3	-	-	-	8.3
<b>TOTAL HWY &amp; NONHWY</b>		16,703.1	7,203.4	75.5	2,288.2	649.5	26,009.9

Sources:  
See Appendix A, Section 2. Energy Use Sources.

\* Civilian consumption only. Totals may not include all possible uses of fuels for transportation (e.g., international).  
\* Only road-use energy was counted for electricity. See Appendix C for data table with electricity generation and distribution losses included.  
\* Totals may not sum due to rounding.  
\* Two-side, four-tire trucks.  
\* One-half of fuel used by domestic carriers in international operation.

TRANSPORTATION ENERGY DATA BOOK, EDITION 38—2019

## Value-Added:

- Combine data to present unique data series. FHWA data require opening 25 individual reports to get the whole series.
- Present data from different tables/reports to show a unique perspective.

The data in this table from 1913 to 2007 include minivans, pickups, or sport utility vehicles. Much of the data for 2008-on were estimated; the FHWA no longer publishes travel and fuel data for cars. A methodology change for the number of cars registered affected the data series in 2012.

Table 4.1  
Summary Statistics for Cars, 1970–2017\*

Year	Registrations (thousands)	Vehicle travel (million miles)	Average annual mileage per vehicle	Fuel use (million gallons)	Average fuel economy (mpg)
1970	89,744	818.7	9,232	67,820	13.5
1975	106,705	1,034.0	9,660	74,145	13.0
1980	111,001	1,111.9	9,146	69,951	13.0
1985	117,001	1,348.1	9,749	73,116	13.4
1990	131,700	1,408.1	10,733	69,748	15.3
1995	138,900	1,516.1	10,986	64,314	17.1
2000	146,501	1,771.8	12,108	60,458	20.0
2005	157,217	1,774.7	11,297	67,047	20.5
2010	177,883	1,408.1	11,205	67,874	20.7
2015	183,187	1,438.1	11,303	68,072	21.1
2017	197,728	1,489.9	11,330	69,211	21.3
1970–2017	126,749	1,202.6	11,389	69,882	21.5
1980–2017	131,829	1,540.4	11,734	71,885	21.6
1990–2017	132,412	1,580.1	11,948	71,353	21.4
2000–2017	135,621	1,600.3	11,776	73,065	21.9
2010–2017	137,623	1,621.5	11,821	74,559	22.1
2015–2017	150,021	1,678.1	11,202	74,471	22.0
2016	156,670	1,671.5	11,235	74,940	22.4
2017	184,641	1,699.9	12,460	72,462	22.5
2018	186,598	1,708.4	12,410	77,418	22.1
2019	187,488	1,801.9	12,485	77,089	22.5
2020	183,003	1,871.1	12,404	74,977	22.5
2021	177,000	1,812.9	11,788	73,487	21.6
2022	174,830	1,768.1	11,218	68,787	21.5
2023	170,893	1,694.4	11,437	63,341	24.0
2024	167,077	1,477.8	11,401	59,446	24.4
2025	161,200	1,438.4	12,218	57,899	24.9
2026	157,076	1,446.9	12,720	57,290	25.2
2027	153,890	1,454.4	12,613	54,470	25.4
2028	150,841	1,461.4	12,807	52,512	26.2
2029	147,841	1,471.4	12,866	54,340	26.6
2030	144,841	1,483.4	12,811	52,268	27.3
1970–2017	0.9%	0.9%	0.9%	0.9%	1.9%
2007–2017	-2.0%	1.0%	0.4%	0.2%	1.0%

Sources:  
1970–2008: U.S. Department of Transportation, Federal Highway Administration, Highway Statistics, 2009.  
Washington, DC, 2011, Table MV-10 and annual, 2009–on: See Section 7.1 in Appendix A. (Additional resources: [www.fhwa.dot.gov](http://www.fhwa.dot.gov).)

\* This number differs from DHS Automotive's estimate of "number of cars in use." See Table 3.4.  
\* Average fuel economy for all cars.  
\* Beginning in this year the data were revised to include all cars (including minivans, pickups and sport utility vehicles; which may have been previously included).  
\* Due to FHWA methodology changes, data from 2009-on are not comparable with previous data.

TRANSPORTATION ENERGY DATA BOOK, EDITION 38—2019

## Car and Light Truck Population Data

- FHWA discontinued this is 2009
- ORNL/ANL develop estimates each year to continue the series

Table 4.2  
Summary Statistics for Two-Axis, Four-Tire Trucks, 1970–2017

Year	Registrations (thousands)	Vehicle travel (million miles)	Average annual mileage per vehicle	Fuel use (million gallons)	Average fuel economy (mpg)
1970	14,111	123.1	8,721	12,213	10.0
1975	20,418	200.7	8,330	15,881	10.1
1980	21,276	200.9	10,437	15,764	13.2
1985	21,214	211.0	10,588	17,143	14.3
1990	21,114	211.4	10,588	17,143	14.3
1995	21,114	211.4	10,588	17,143	14.3
2000	21,114	211.4	10,588	17,143	14.3
2005	21,114	211.4	10,588	17,143	14.3
2010	21,114	211.4	10,588	17,143	14.3
2015	21,114	211.4	10,588	17,143	14.3
2017	21,114	211.4	10,588	17,143	14.3
2018	21,114	211.4	10,588	17,143	14.3
2019	21,114	211.4	10,588	17,143	14.3
2020	21,114	211.4	10,588	17,143	14.3
2021	21,114	211.4	10,588	17,143	14.3
2022	21,114	211.4	10,588	17,143	14.3
2023	21,114	211.4	10,588	17,143	14.3
2024	21,114	211.4	10,588	17,143	14.3
2025	21,114	211.4	10,588	17,143	14.3
2026	21,114	211.4	10,588	17,143	14.3
2027	21,114	211.4	10,588	17,143	14.3
2028	21,114	211.4	10,588	17,143	14.3
2029	21,114	211.4	10,588	17,143	14.3
2030	21,114	211.4	10,588	17,143	14.3
1970–2017	0.9%	0.9%	0.9%	0.9%	1.9%
2007–2017	1.1%	1.1%	0.4%	0.2%	0.9%

Sources:  
1970–2008: U.S. Department of Transportation, Federal Highway Administration, Highway Statistics, 2009.  
Washington, DC, 2011, Table MV-10 and annual, 2009–on: See Section 7.1 in Appendix A. (Additional resources: [www.fhwa.dot.gov](http://www.fhwa.dot.gov).)

\* Average fuel economy for all two-axis, four-tire trucks.  
\* Beginning in this year the data were revised to include all cars (including minivans, pickups and sport utility vehicles; which may have been previously included).  
\* Due to FHWA methodology changes, data from 2009-on are not comparable with previous data.

TRANSPORTATION ENERGY DATA BOOK, EDITION 38—2019

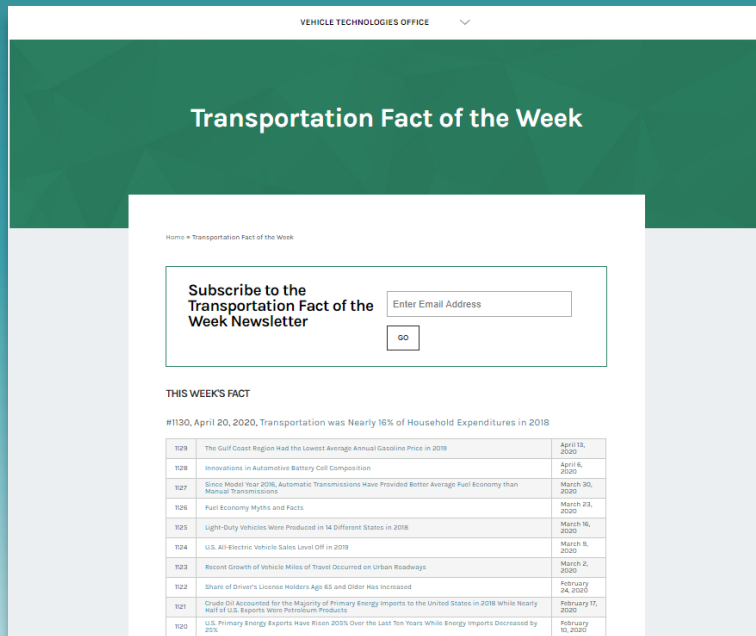


# Approach – Fact of the Week (FOTW)

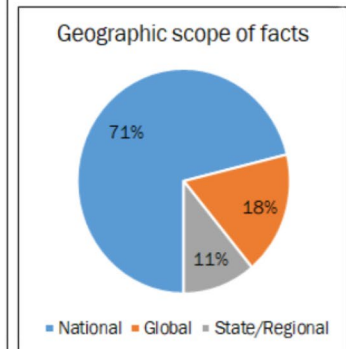
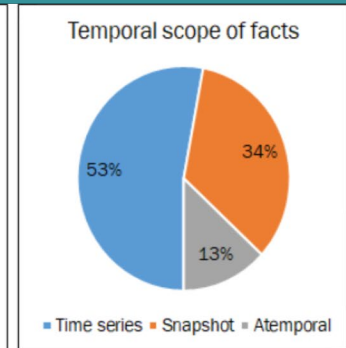
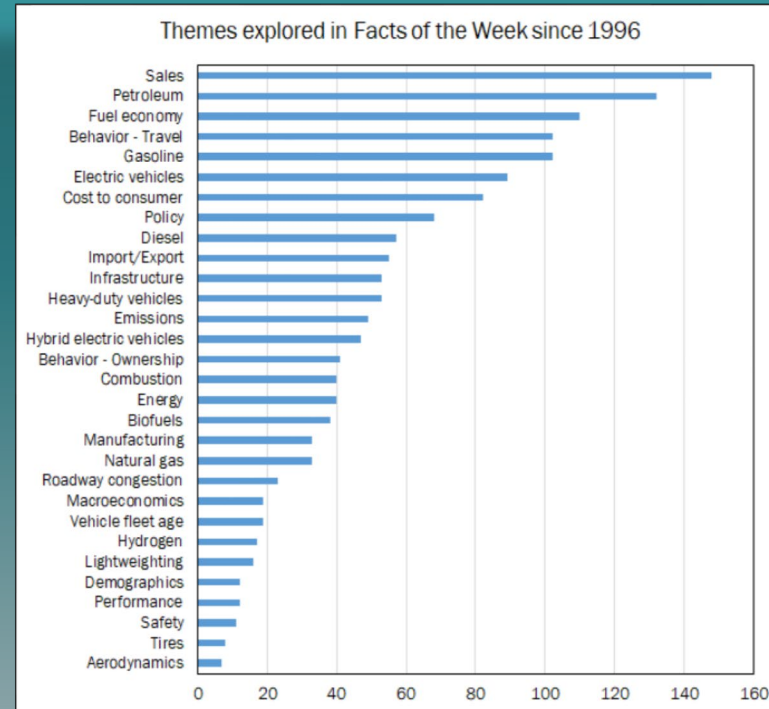
Since 2001



- Facts consist of a graphic, explanatory text, source, and an Excel file.
- Facts are posted on the VTO website every Monday.
- Facts are emailed to a subscription list of over 25,100 every Monday.



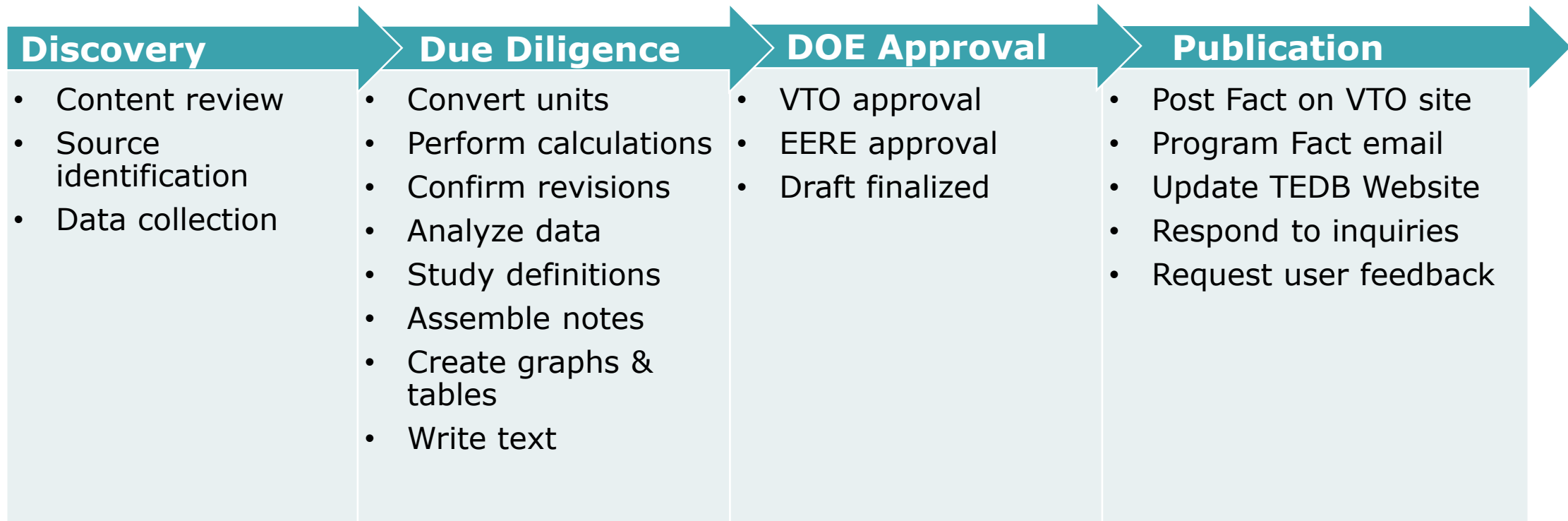
<https://www.energy.gov/eere/vehicles/transportation-fact-week>



# Approach – Data Book & Fact of the Week

Barrier Addressed: Provides consistency to improve analyses of the transportation sector which contribute to policies, programs, and technologies. Provides a wealth of data and information which reduces the burden on VTO analysts to compile the data individually.

The Data Book is mostly tabular historical data, especially good for modeling use. The Fact of the Week is widely varied on topic and source.



Primary mechanism: Publish data and information in PDF, Excel, and HTML on VTO and ORNL websites for VTO researchers and others to access.



# Technical Accomplishments and Progress for the Data Book

## Current Website Debuted in 2019

- Newly redesigned website with search capability
- New URL <https://tedb.ornl.gov>
- Rotating highlights from the report are on the homepage

**Transportation Energy Data Book**  
Edition 38  
Stacy C. Davis and Robert G. Boundy

The Transportation Energy Data Book (TEDB) is a compendium of data on transportation with an emphasis on energy. The TEDB is produced by Oak Ridge National Laboratory for the U.S. Department of Energy's Office of Energy Vehicle Technologies Office. Edition 38 is the latest edition.

[View Book Contents](#)

### Highlights

**Light Vehicle Production Shares, MY 1975-2018**

The production of sport-utility vehicles and pickups has increased while car production has declined since 2012. To read more see Figure 4.4

[Read More](#)

On the Data page, download full PDF or spreadsheets

Search by topic for Excel or PDF of specific tables/figures

**Data**  
Transportation Energy Data Book Edition 37 - Last update January 28, 2019

[Edition 37 - Full Document \(PDF\) 13 MB](#) [All Spreadsheets \(zip\) 11 MB](#)

Search:

Name	Description	Excel	PDF
Table 1.01	Proved Reserves of Crude Oil and Natural Gas, 1980-2017	<a href="#">xlsx</a>	<a href="#">pdf</a>
Table 1.02	World Crude Oil Production, 1960-2017	<a href="#">xlsx</a>	<a href="#">pdf</a>
Table 1.03	World Petroleum Production, 1973-2017	<a href="#">xlsx</a>	<a href="#">pdf</a>
Table 1.04	World Petroleum Consumption, 1960-2017	<a href="#">xlsx</a>	<a href="#">pdf</a>

Feedback encouraged at bottom of the homepage

**Let's keep in touch**

Do you have feedback or would you like to be notified of the latest release? Let us know by using the form below.

Your Name \*

Your Email \*

Subject

Message \*

# Technical Accomplishments and Progress for the Data Book

## Data Book updates twice a year

Edition 38 published January 2020

Edition 38.1 published April 2020

Edition 38.2 will be published in August 2020

Edition 39 draft due at end of FY 2020

The average fuel economy of cars more than doubled from 1975 to 2018 while the average fuel economy of light trucks grew by 92% in that same time period. This was not steady annual growth, but growth in the 1970's and early 1980's followed by a long period with little improvement. Growth resumed around 2008-2009.

Table 4.12 (Updated April 2020)  
Production and Production-Weighted Fuel Economies of New Domestic and Import Cars, Light Trucks and Light Vehicles, Model Years 1975-2019<sup>a</sup>

Model Year	All Cars <sup>b</sup>		All Light Trucks		All Light Vehicles	
	Production (Thousands)	Fuel Economy (mpg)	Production (Thousands)	Fuel Economy (mpg)	Production (Thousands)	Fuel Economy (mpg)
1975	8,247	13.5	1,977	11.6	10,224	13.1
1980	9,444	20.0	1,863	15.8	11,307	19.2
1985	10,879	23.0	3,581	17.5	14,460	21.3
1990	8,875	24.3	2,740	17.4	12,615	21.2
1995	9,616	23.3	5,539	17.0	15,145	20.5
1996	8,177	23.1	4,967	17.2	13,144	20.4
1997	8,695	23.2	5,762	16.8	14,457	20.2
1998	8,425	23.0	6,000	17.1	14,425	20.1
1999	8,865	22.7	6,350	16.6	15,215	19.7
2000	9,742	22.5	6,829	16.8	16,571	19.8
2001	9,148	22.6	6,458	16.5	15,606	19.6
2002	8,904	22.8	7,211	16.5	16,115	19.5
2003	8,496	23.0	7,277	16.7	15,773	19.6
2004	8,176	22.9	7,533	16.5	15,709	19.3
2005	8,839	23.1	7,053	16.9	15,892	19.9

## Older editions are still accessible



<https://tedb.ornl.gov/archives>

## As well as older reports from the Transportation Data Program

## Website links to other parts of the Transportation Data Program



Transportation Fact of the Week

[View](#)



E-Drive Monthly Sales

[View](#)

OAK RIDGE  
National Laboratory

[Home](#) [Data](#) [Archive](#) [Citation](#) [Contact](#)

### Archive

Below are previous editions of the Transportation Energy Data Book along with other reports from the Transportation Data Program.

Year	Title	Info
2019	Transportation Energy Data Book: Edition 37	ORNL, 13 MB
2019	Assessment of Light-Duty Plug-In Electric Vehicles in the United States, 2010-2018	ANL, 4 MB
2018	Historical Review of the Transportation Analysis Fact of the Week, 1996-2017	ORNL, 2 MB
2018	Impacts of Electrification of Light-Duty Vehicles in the United States, 2010 - 2017	ANL, 2 MB
2017	2016 Vehicle Technologies Market Report	ORNL, 18 MB
2017	Transportation Energy Data Book: Edition 36	ORNL, 10 MB
2016	2015 Vehicle Technologies Market Report	ORNL, 15 MB
2016	Fact of the Week 2015	ORNL, 7 MB

# Technical Accomplishments and Progress for the Data Book

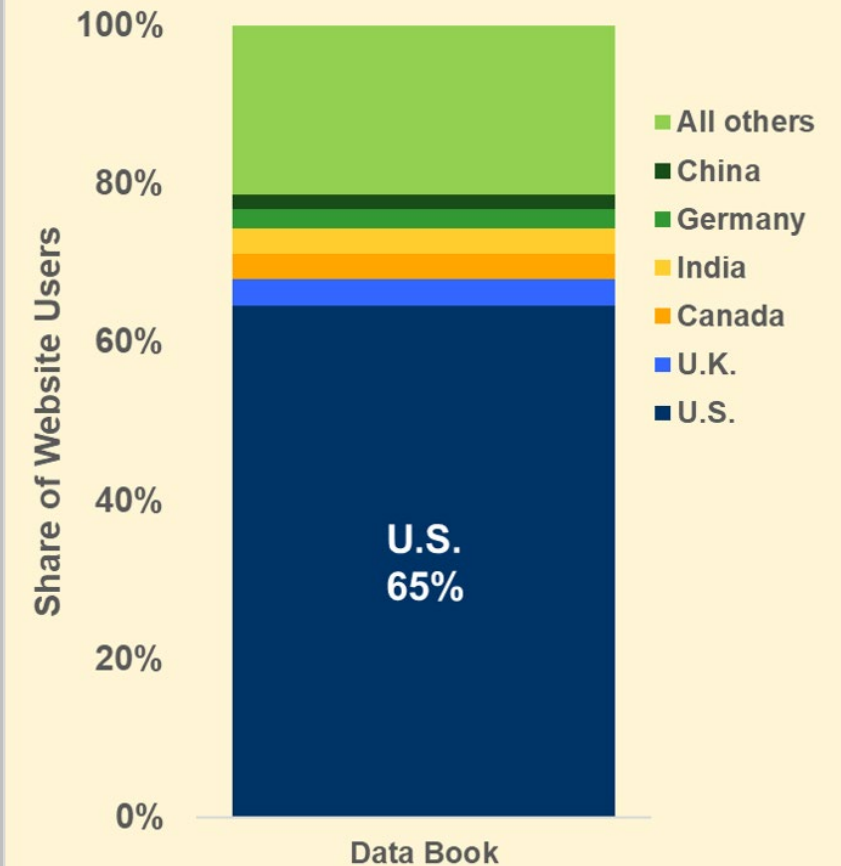
## Page Views, Downloads, Citations

Month-Year	Page Views	PDF Downloads	XLS Downloads	Total Views	Unique Users
FY 2019 Total	75,527	7,853	10,115	93,495	Not available
Oct 2019	7,277	1,101	676	9,054	2,994
Nov 2019	6,486	1,023	476	7,985	2,759
Dec 2019	5,290	769	647	6,706	2,273
Jan 2020	1,581	1,087	1,614	4,282	1,641
Feb 2020	4,627	857	396	5,880	1,599
Mar 2020	6,849	1,545	1,001	9,395	1,859

## Google Scholar Citations as of April 22, 2020

About 3,230

## Geographic Location of Website Users



# Technical Accomplishments and Progress for the Data Book

## **Edition 38: Added a new chapter to the Data Book called Transit and Other Shared Mobility**

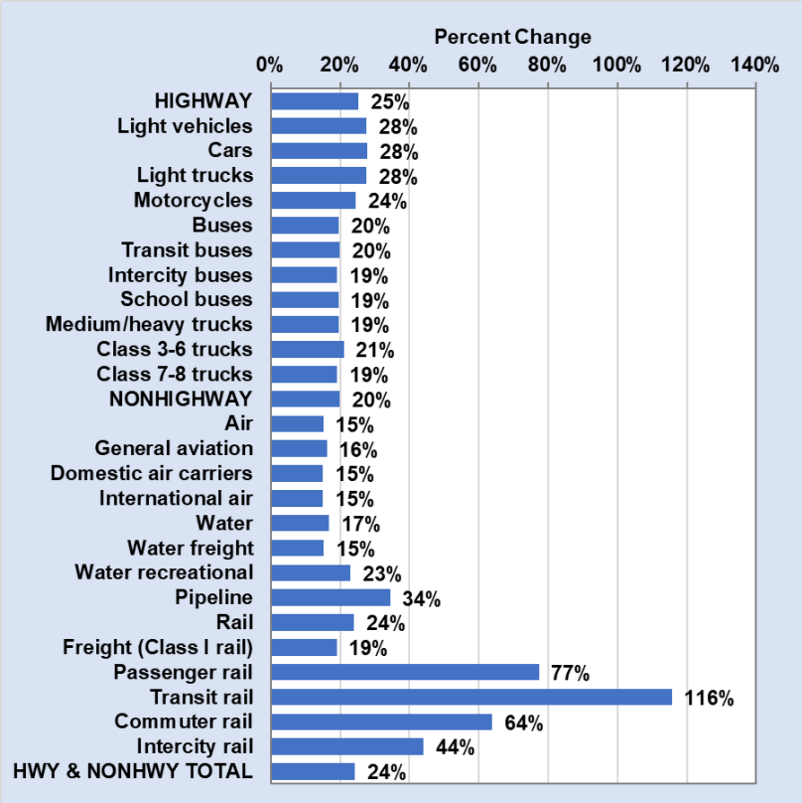
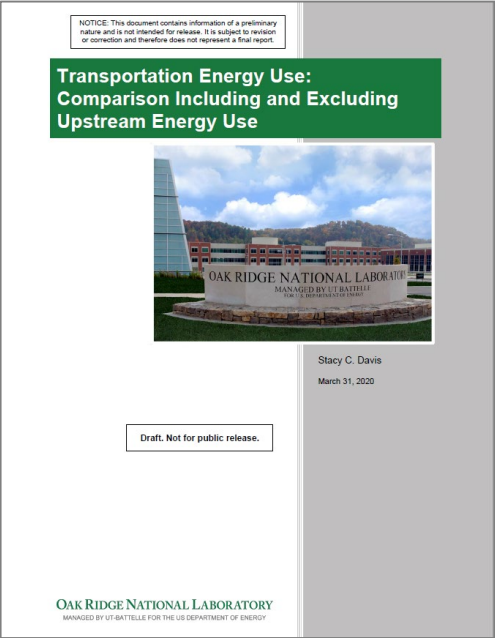
- ❖ Moved existing transit tables to this chapter
- ❖ Added tables on scooters, bikes, carsharing, and ride hailing

## **Edition 38: Added a new appendix to the Data Book called Energy Tables Including Electricity Generation and Distribution**

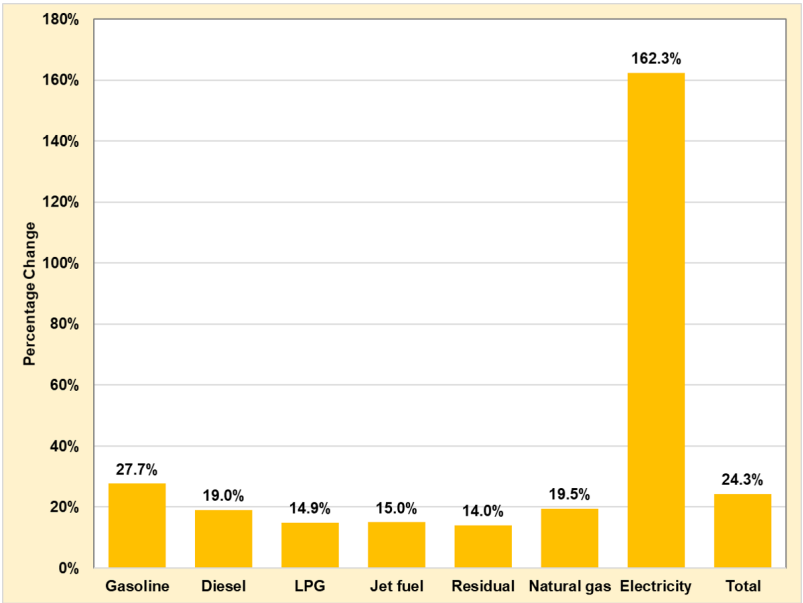
- ❖ The appendix includes a second copy of all energy tables and figures from the body of the report but taking into account electricity generation and distribution (upstream energy).

# Technical Accomplishments and Progress for the Data Book

Draft report delivered March 31, 2020 on transportation energy including and excluding upstream energy.



Percent change of vehicle energy use to energy use including upstream energy by mode, 2017.



Percent change of vehicle energy use to energy use including upstream energy by fuel type, 2017.

As the highway sector transitions towards heavier use of electricity, the differences between including and excluding upstream energy will become more pronounced.



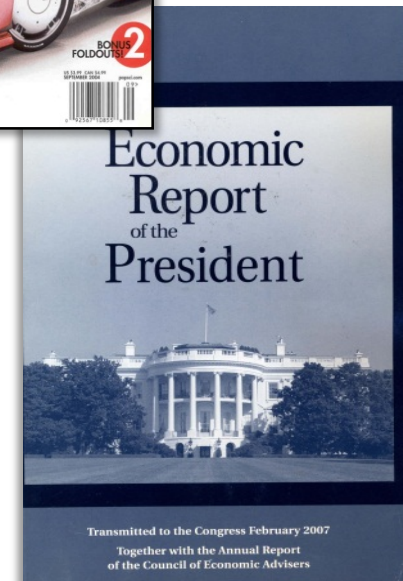
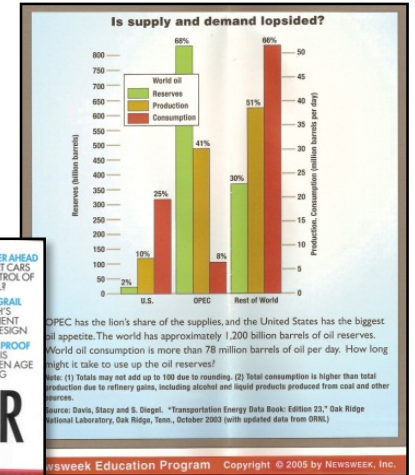
# Technical Accomplishments and Progress for the Data Book

Data collected in the Transportation Data Program provides input data to other VTO programs and other agency's models, such as:

MA3T
GREET
ADOPT
Parachoice
Benefits analysis
DOE eGallon Initiative
DOE Advanced Technology Manufacturing Loans Program
National Science Foundation website
EPA MOVES
EIA NEMS

In the past, our data have been cited in Popular Science, Newsweek Education Program, and the Economic Report of the President

The Transportation Energy Data Book is used by Congressional staff, auto manufacturers, state governments, universities (professors & students), libraries, federal agencies, and more.

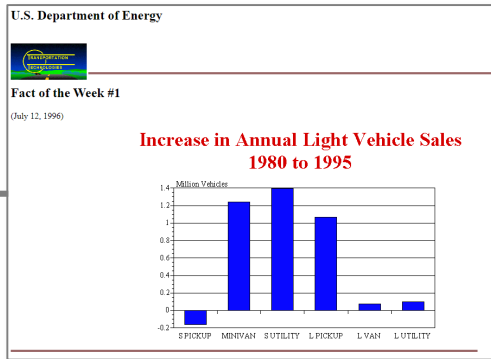




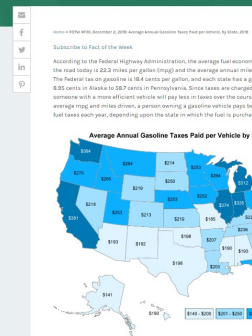
# Technical Accomplishments and Progress for the Fact of the Week

<http://energy.gov/eere/vehicles/transportation-fact-week>

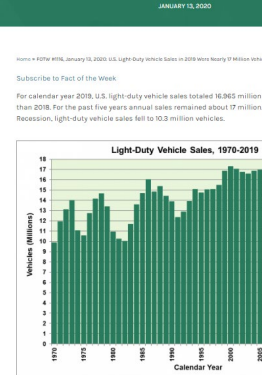
## Fact #1: July 12, 1996



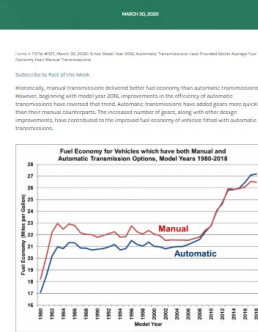
## FOTW #1110, December 2, 2019: Average Annual Gasoline Taxes Paid per Vehicle, by State, 2019



## FOTW #1116, January 13, 2020: U.S. Light-Duty Vehicle Sales in 2019 Were Nearly 17 Million Vehicles



## FOTW #1127, March 30, 2020: Since Model Year 2016, Automatic Transmissions Have Provided Better Average Fuel Economy than Manual Transmissions



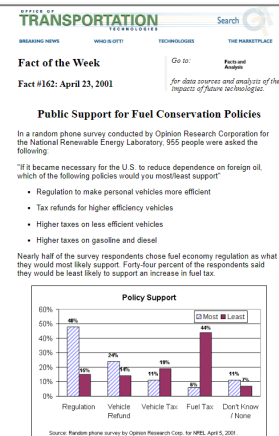
## FOTW #1122, February 24, 2020: Share of Driver's License Holders Age 65 and Older Has Increased



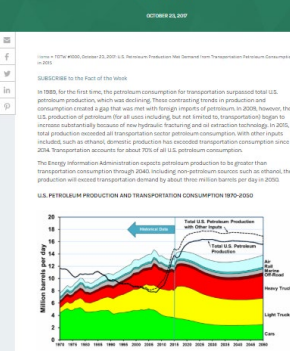
31 Facts posted thus far in FY2020



## First ORNL-written Fact #162: April 23, 2001



## FOTW #1000, October 23, 2017: U.S. Petroleum Production Met Demand from Transportation Petroleum Consumption in 2015



## Fact #1000: October 23, 2017

# Technical Accomplishments and Progress for the Fact of the Week

As of April 2020, there were  
> 25,100 subscribers to the Fact  
of the Week email distribution  
each Monday

Anyone with an email  
can subscribe

## TRANSPORTATION FACT OF THE WEEK NEWSLETTER

Each week, the Vehicle Technologies Office's website posts a Fact of the Week. To receive an email every Monday with a preview of the weekly Fact, enter your email in the box below.

Email:

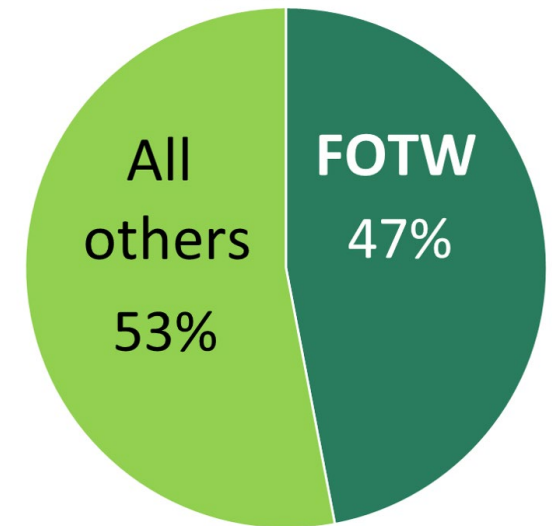
SUBSCRIBE

- Fact of the Week content accounted for 220,256 pageviews, or 35% of all VTO site pageviews during FY2019.
- About 47% of VTO site visits entered into the site through the Fact of the Week
- In the most visited VTO website pages:

*Fact 915, Average Historical Annual Gasoline Pump Price from 1929-2015*

*Fact 861, Idle Fuel Consumption of Selected Gasoline and Diesel Vehicles*

## Entrance page to VTO site

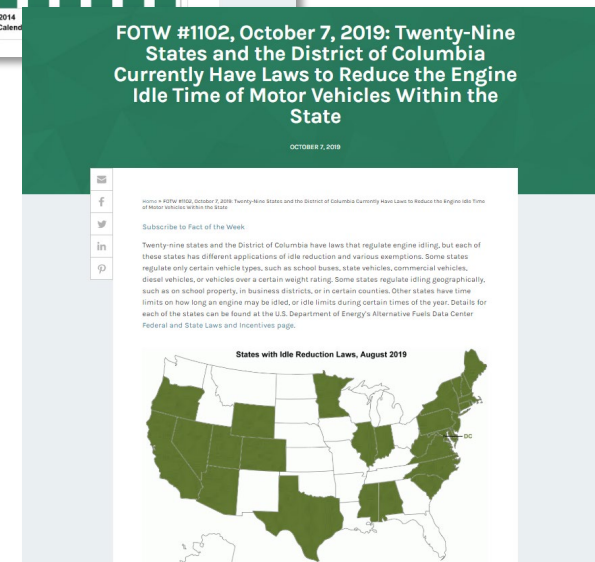
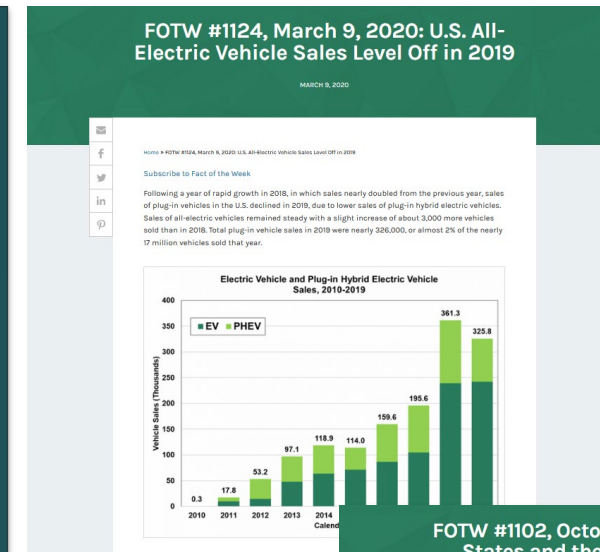


# Collaboration & Coordination

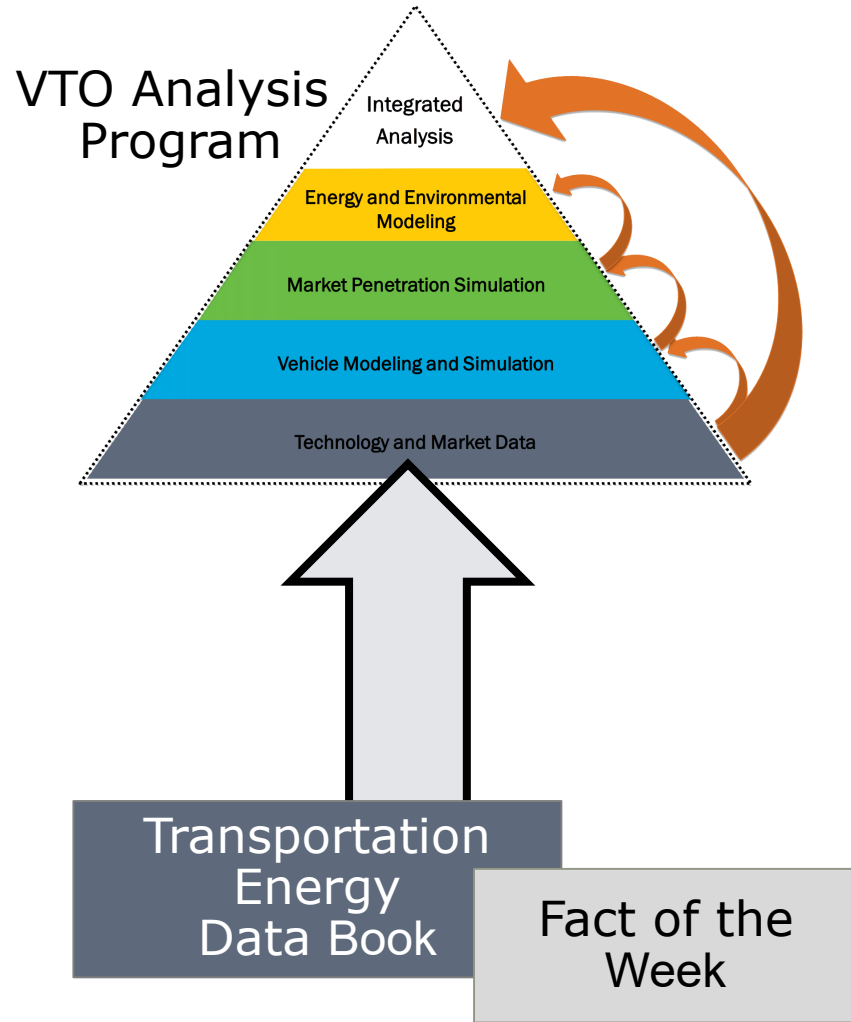
ORNL works with others to meet the data needs of the VTO Transportation Analysis Program

- Work with many public & private entities in the data collection process.
- Work closely with:
  - VTO staff who approve each Fact of the Week;
  - ANL staff who program and post the Fact of the Week on the VTO website;
  - ANL staff who work with data on EVs;
  - NREL staff to make sure our data are congruent with the Alternative Fuel Data Center.
- Work with other Labs supporting VTO, such as the multi-Lab team on the Total Cost of Vehicle Ownership.
- Work with other Labs to showcase their work via the Fact of the Week and the Data Book.

Examples of Facts posted that use ANL, NREL data as a source



# Proposed Future Research



Future plans are to continue the two components of the Transportation Data Program to support the VTO Analysis Program in the next fiscal year.

All future work will be updated to the latest possible data/information available and will include new material on emerging topics of interest.

Feedback from data users will be used to continually improve upon data, data sources, and data serving (websites).

ORNL will answer ad hoc data requests from VTO staff and Analysis Program team members.

# Summary

## Objectives

- Provide consistent, quality data on the transportation sector for VTO researchers and other transportation analysts' use

## Outcomes

- Annual Transportation Energy Data Book with two interim updates
- Weekly Fact of the Week website posting & email distribution
- Reports on special topics, such as upstream energy use

## Methods

- Data discovery, due diligence, approval, & publication in collaboration with government, private sector, academia, & other laboratories

## Results

- Data Book website page views averaged 7,217 per month in FY20
- Google Scholar citations are 3,230 as of April 22, 2020
- Fact of Week email currently has over 25,100 subscribers

## Milestones

- This project has weekly, monthly, and annual milestones delivered on-time and within budget



# Acknowledgements

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US Department of Energy*

Philip Patterson, retired

*Formerly of the Office of Vehicle Technologies  
US Department of Energy*

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# **Reviewer-Only Slides**

# Critical Assumptions and Issues

- Government agencies or companies from which ORNL collects data are improving their data collection and data processing methodologies. But those improvements can cause incompatibility with previous years' data and cause a significant disruption to a historical time series of data.
  - The only course of action we have is to alert the users of these changes and give as much detail as possible about the changes. (Example: The Federal Highway Administration's change of Table VM-1 affected many tables in the *Transportation Energy Data Book*.)
- The Vehicle Inventory and Use Survey (VIUS), which was conducted every 5 years from 1967-2002, was discontinued after 2002. It included detailed data on the characteristics of the nation's truck population and truck activity.
  - There are currently no other sources of data that can give us similar information, thus data from the 2002 VIUS continues to be published in the *Transportation Energy Data Book*, with notes that it is the latest available data of its kind.
  - The Department of Transportation is in the planning stages of conducting a new study with information similar to the VIUS. We anticipate several years before these data will be made available.
- Government agencies with tight budgets are discontinuing some data collection and distribution (e.g., EIA international prices), and private companies are making their data more expensive and/or putting tighter restrictions on their use (e.g., IHS-Polk).

# Publications – TEDB

Edition 38: <https://tedb.ornl.gov>

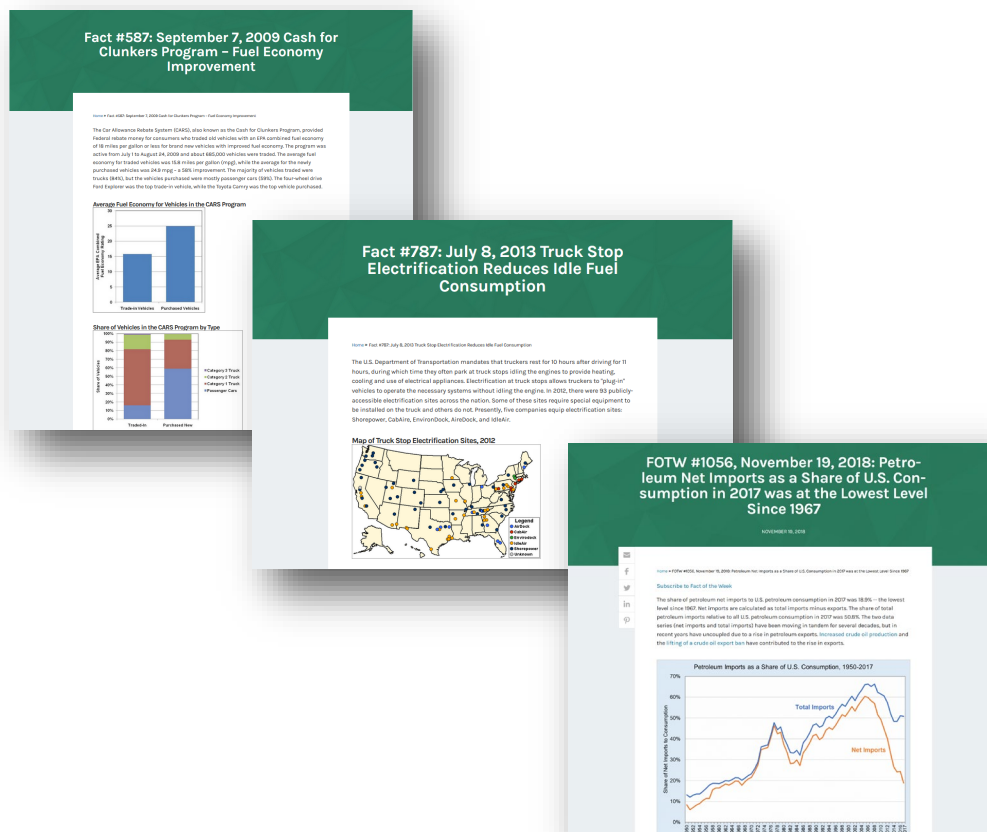
Transportation Energy Data Book	37
Transportation Energy Data Book	36
Transportation Energy Data Book	35
Transportation Energy Data Book	34
Transportation Energy Data Book	33
Transportation Energy Data Book	32
Transportation Energy Data Book	31
Transportation Energy Data Book	30
TRANSPORTATION ENERGY BOOK	29
Transportation Energy Data Book	28
Transportation Energy Data Book	27
Transportation Energy Data Book	26
Transportation Energy Data Book	25
TRANSPORTATION ENERGY DATA BOOK	24
TRANSPORTATION ENERGY DATA BOOK	23
TRANSPORTATION ENERGY DATA BOOK	22
Transportation Energy Data Book	21
Transportation Energy Data Book	20
Transportation Energy Data Book	19
Transportation Energy Data Book	18
Transportation Energy Data Book	17
Transportation Energy Data Book	16
Transportation Energy Data Book	15
Transportation Energy Data Book	14
TRANSPORTATION ENERGY DATA BOOK: 13	13
TRANSPORTATION ENERGY DATA BOOK: (GROSS) 12	12
TRANSPORTATION ENERGY DATA BOOK: Edition 11	11
TRANSPORTATION ENERGY DATA BOOK: Edition 10	10
TRANSPORTATION ENERGY DATA BOOK: Edition 9	9
TRANSPORTATION ENERGY DATA BOOK: Edition 8	8
TRANSPORTATION ENERGY DATA BOOK: Edition 7	7
TRANSPORTATION ENERGY DATA BOOK: Edition 6	6
TRANSPORTATION ENERGY DATA BOOK	5
Transportation Energy Conservation Data Book	4
Transportation Energy Conservation Data Book	3
Transportation Energy Conservation Data Book	2
Transportation Energy Conservation Data Book	1

Editions 12-37 of the *Transportation Energy Data Book*  
can be found on our website:  
<https://tedb.ornl.gov/archive>

# Publications - Fact of the Week

From 2009-2020,  
all Facts of the Week  
are on the VTO website:

<http://energy.gov/eere/vehicles/transportation-fact-week>



## Transportation Fact of the Week

### THIS WEEK'S FACT

#1130, April 20, 2020, Transportation was Nearly 16% of Household Expenditures in 2018

1129	The Gulf Coast Region Had the Lowest Average Annual Gasoline Price in 2018	April 13, 2020
1128	Innovations in Automotive Battery Cell Composition	April 6, 2020
1127	Since Model Year 2016, Automatic Transmissions Have Provided Better Average Fuel Economy than Manual Transmissions	March 30, 2020
1126	Fuel Economy Myths and Facts	March 23, 2020
1125	Light-Duty Vehicles Were Produced in 14 Different States in 2018	March 16, 2020
1124	U.S. All-Electric Vehicle Sales Level Off in 2019	March 9, 2020
1123	Recent Growth of Vehicle Miles of Travel Occurred on Urban Roadways	March 2, 2020
1122	Share of Driver's License Holders Age 65 and Older Has Increased	February 24, 2020
1121	Crude Oil Accounted for the Majority of Primary Energy Imports to the United States in 2018 While Nearly Half of U.S. Exports Were Petroleum Products	February 17, 2020
1120	U.S. Primary Energy Exports Have Risen 205% Over the Last Ten Years While Energy Imports Decreased by 25%	February 10, 2020
1119	Monthly Trend in Light-Duty Vehicle Sales, 2019	February 3, 2020
1118	Two-Thirds of Freight Shipped in the U.S. Was Shipped Less Than 100 Miles in 2018	January 27, 2020
1117	The Number of U.S. Crude Oil Refineries Has Declined but Total Distillation Capacity Has Risen From 1982 to 2019	January 20, 2020
1116	U.S. Light-Duty Vehicle Sales in 2019 Were Nearly 17 Million Vehicles	January 13, 2020
1115	Urban Congestion Decreased from 2014 to 2018	January 6, 2020

2019 Facts of the Week

2018 Facts of the Week

2017 Facts of the Week

2016 Facts of the Week

2015 Facts of the Week

2014 Facts of the Week

2013 Facts of the Week

2012 Facts of the Week

2011 Facts of the Week

2010 Facts of the Week

2009 Facts of the Week

# Additional Data Book Web Statistics

## Most popular Excel files downloaded

Rank	Excel Files	Description
1	<b>Table 4.1</b>	<b>Summary Statistics for Cars, 1970–2017</b>
2	Table 3.11	U.S. Average Vehicle Age, 1970–2018
3	Table 3.4	U.S. Cars and Trucks in Use, 1970–2017
4	Table 3.5	New Retail Vehicle Sales, 1970–2018
5	<b>Table 2.7</b>	<b>Domestic Consumption of Transportation Energy by Mode and Fuel Type, 2017</b>
6	Table 2.8	Transportation Energy Use by Mode, 2016–2017
7	Table 3.8	Shares of Highway Vehicle-Miles Traveled by Vehicle Type, 1970–2017
8	Table 3.2	Car Registrations for Selected Countries, 1960–2017
9	<b>Table 5.2</b>	<b>Summary Statistics for Class 7-8 Combination Trucks, 1970–2017</b>
10	Table 3.13	Survival Rates for Cars and Light Trucks by Vehicle Age
11	Table 3.3	Truck and Bus Registrations for Selected Countries, 1960–2017
12	<b>Table 4.3</b>	<b>Summary Statistics for Light Vehicles, 1970–2017</b>
13	Table 11.8	Refiner Sales Prices for Aviation Gasoline and Jet Fuel, 1978–2018
14	Table 6.2	Hybrid and Plug-In Vehicle Sales, 1999–2018
15	Table 3.6	Vehicles per Thousand People in Selected Countries/Regions, 2007 and 2017
16	Table 3.12	Annual Mileage for Cars and Light Trucks by Vehicle Age
17	<b>Table 5.1</b>	<b>Summary Statistics for Class 3-8 Single-Unit Trucks, 1970–2017</b>
18	Table 2.3	Distribution of Transportation Energy Consumption by Source, 1950–2018
19	Figure 4.3	Fuel Use versus Fuel Economy
20	Table 2.16	Energy Intensities of Freight Modes, 1970–2017

Unique  
“big energy  
table” and  
FHWA tables  
are reflected in  
this list